

We claim:

1. A generally rectangular reaction cuvette comprising mutually opposing front and back walls connected by a pair of mutually opposing side walls, the cuvette having a closed bottom portion and an open top portion, the cuvette further comprising anti-wicking wall fillets blending between the inner corner intersections between the front and back walls and the pair of side walls.
2. The cuvette of claim 1 wherein the anti-wicking wall fillets are curvilinear tapers forming a variable blend radius between the inner corner intersections between the front and back walls and the pair of side walls.
3. The cuvette of claim 2 wherein the anti-wicking wall fillets extend from the open top section into the lower section.
4. The cuvette of claim 2 wherein the variable blend radius of curvature of each anti-wicking wall transition fillet gradually increases from the lower section to the top inner section by about a factor of three to five.
5. The cuvette of claim 1 wherein the front wall and back wall are provided with integrally formed planar parallel optical windows having outer and inner surfaces of optical flatness equal to about one wave.
6. The cuvette of claim 1 wherein the uppermost interior portions of the front and back walls and the side walls form a downwardly sloped inward chamfer at about a 15° angle and extending from the top of the cuvette downwardly a distance approximately equal to the thickness of the walls.
7. The cuvette of claim 1 further comprising generally flat, elongate rectangle-shaped ledges formed in the region of opening extending outwardly from each of the side walls and including an upwardly protruding latching bulge is formed in the central region of each ledge.